

<b>RTIP ID# 2587</b>				
<b>Project Description</b> <i>(clearly describe project)</i> This project proposes to add an additional auxiliary lane from PCH to Camino de Estrella to convert the existing one-lane southbound off-ramp to a two-lane off-ramp. A second auxiliary lane will taper at approximately 1640 ft from the gore point to provide additional weaving length with the mainline. An exclusive left turn lane of the southbound off-ramp will be added at its terminus to increase the ramp storage capacity and further preventing a queue buildup at the mainline. In addition, the south side of the existing overcrossing structure will be widened to accommodate two additional lanes (one additional left turn lane from westbound Camino de Estrella to the southbound I-5 on-ramp, one additional eastbound Camino de Estrella thru lane). This proposed alternative would improve the operation to both the Camino De Estrella southbound off-ramp and the overcrossing traffic.				
<b>Type of Project</b> <i>(use Table 1 on instruction sheet)</i> Change to existing highway				
<b>County</b> Orange	<b>Narrative Location/Route &amp; Postmiles</b> 5.6-6.6  <b>Caltrans Projects – EA#</b> 0F060			
<b>Lead Agency:</b> California Department of Transportation				
<b>Contact Person</b> Ahmed Abou-Abdou	<b>Phone#</b> 949-724-2768	<b>Fax#</b> 949-724-2591	<b>Email</b> Ahmed_Abou-Abdou@dot.ca.gov	
<b>Hot Spot Pollutant of Concern</b> <i>(check one or both)</i> <b>PM2.5</b> X <b>PM10</b> X				
<b>Federal Action for which Project-Level PM Conformity is Needed</b> <i>(check appropriate box)</i>				
X	<b>Categorical Exclusion (NEPA)</b>	<b>EA or Draft EIS</b>	<b>FONSI or Final EIS</b>	<b>PS&amp;E or Construction</b>
<b>Other</b>				
<b>Scheduled Date of Federal Action:</b>				
<b>Current Programming Dates</b> <i>as appropriate</i>				
	<b>PE/Environmental</b>	<b>ENG</b>	<b>ROW</b>	<b>CON</b>
<b>Start</b>	July 2006	July 2007	July 2007	August 2009
<b>End</b>	July 2007	August 2009	November 2008	May 2011
<b>Project Purpose and Need (Summary):</b> <i>(attach additional sheets as necessary)</i> Based on the findings by District12 Traffic Operations Branch, there is a need to increase the storage capacity on the southbound off-ramp. Currently, the off-ramp left turn movement to eastbound Camino de Estrella experiences severe delay and the whole southbound intersection is operating at Level Of Service (LOS) F. The total traffic volume exiting the southbound off-ramp during the PM peak hours is 1553 vph based on the 2001 counts. According to Section 504.3.5 of the Highway Design Manual, a single lane off-ramp has a capacity of 1500 vph. The 2025 traffic volumes within the interchange are projected to increase by 25% of the existing traffic volumes. The purpose of the project is to alleviate the traffic delay by adding a third left turn lane to the southbound off-ramp at the ramp terminal and widen the ramp to a two-lane off-ramp to enhance the storage capacity. Widening the ramp terminal and adding lanes to the Camino de Estrella overcrossing would relieve the congestion and improve the overall operation of the intersection.				

**Surrounding Land Use/Traffic Generators** *(especially effect on diesel traffic)*

The area along the stretch of I-5 between Camino de Estrella and PCH within the city of Dana Point contains mainly residential uses, predominantly single-family residential homes, with an elementary school located to the west of I-5, and a church located to the east of I-5.

**Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility**

No Build LOS is F, Build LOS is B

2012 AADT= 19,425

%Trucks = 4.25

AADT Trucks = 825

**RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility**

No Build Year 2025 LOS is F, Build Year 2025 LOS is C

2025 AADT = 22,112

% Trucks = 4.5%

AADT Trucks = 995

**Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT**

**Build**  
AADT= 41,600

% Trucks = 2%

AADT Trucks = 830

**No Build**  
AADT= 41,600

% Trucks = 2%

AADT Trucks = 830

**RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT**

**Build**

AADT = 46,700

% Trucks = 2%

AADT Trucks = 930

**No Build**

AADT = 46,700

% Trucks = 2%

AADT Trucks = 930

**Describe potential traffic redistribution effects of congestion relief** *(impact on other facilities)*

This project will not have significant potential traffic redistribution factors. The project would relieve the congestion at the I-5 mainline divergence point to the southbound off-ramp as well as at the ramp intersection with Camino de Estrella. Therefore, it is expected that the project would not have adverse impacts on other facilities.

Comments/Explanation/Details <i>(attach additional sheets as necessary)</i>